

MARSHALL STAR

Serving the Marshall Space Flight Center Community

March 7, 2002

Inside the Star

- **Leadership toward a better Marshall, page 2**
- **Dennis Smith recognized for outstanding leadership, page 3**
- **Black History Month closing ceremony, page 5**

Relativity mission achieves two major milestones

Marshall news release

The NASA Gravity Probe B (GP-B) Relativity Mission has successfully mated its science payload to its spacecraft and after successful systems testing, the GP-B space vehicle was shipped to Sunnyvale, Calif., on Feb. 9, to prepare for upcoming rigorous environmental tests.

The Marshall Center manages Gravity Probe-B for NASA.

“These milestones are a huge accomplishment for this dedicated team,” said Rex Geveden, Marshall Center Gravity Probe B program manager. “The Gravity Probe B team is working hard to complete preparation and testing of one of the most unique experiments ever attempted in the history of science.”

Gravity Probe B, led by principal

See Relativity on page 6

Marshall Center provides study guides to area 6th graders

15th Von Braun Forum celebrates science with multimedia show, youth writing competition, educational outreach

Marshall Center news release

For 15 years, the Von Braun Forum has celebrated Dr. Wernher von Braun’s contributions to the Tennessee Valley and the U. S. Space Program with speakers who have a love for space science and the space program — John Denver, Dr. James Burke, and Walter Cronkite, among others.

But this year’s Von Braun Forum features a new focus and format. Rather than a single event highlighting a high-profile speaker, this year’s Von Braun Forum is actually a series of projects that build toward a highly produced multimedia show April 6 at the Von Braun Center.

A multimedia experience – The “Unseen Majesty of Science”

The multimedia show, the “Unseen Majesty of Science,” celebrates the contributions of engineers and scientists, and has several elements. Visually, it

See Forum on page 10



Students from Arab Junior High School and their teacher look over the NASA Study Guide.

Courtesy photo

Leadership toward a better Marshall

Many of you know that I came to the Marshall Center about three years ago from private industry. Throughout my career, I have tried to make a positive difference wherever I have been. The same holds true here at Marshall. One of the first things I did after my arrival at Marshall was to work with the senior management team to identify, and agree on, the Marshall Values. Through these values, we have committed ourselves to people, customers, excellence, teamwork and innovation.

To me, the values represent what the Center can become. They should be the cornerstone for our behaviors and our decision making. Their importance is significant because they serve as our blueprint for success. They allow us to consistently know what is important in every decision we make. Our values are the guideposts by which we go in running our business — day in, day out.

In some areas, we have made significant progress toward “living the values.” However, as I think most of you would agree, we are not there yet. Ultimately, “living the values” is about improving the culture at Marshall. Improving the culture of an organization can be difficult. A culture, which evolves over time, is the sum total of the history, relationships, behaviors, unwritten expectations, work habits, traditions, rituals and overall style of an organization. Some of these elements are positive and need to be nurtured, but some of them create barriers and need to be changed.

As I mentioned earlier, improving the culture does not come easy, which is why I’ve often compared it to trying to change the direction of a large ship by swimming alongside it and pushing on the bow. Leadership that focuses on values is the key to changing the direction of the “ship.”

At Marshall, we have defined leadership as “the ability to influence, regardless



Stephenson

of positional power.” That definition recognizes that leadership occurs at all levels of the organization and is not dependent upon a title or position.

Good leadership creates a place where people can do their best work. This is critical to the long-term success of the Center. With this in mind, we set out several months ago to design a leadership development process that is tailored to the needs of Marshall: where we’ve been, where we are and where we want to go.

After conducting an extensive needs assessment, the first installment of the new leadership series was designed and piloted with a group of supervisors and nonsupervisors from across the Center. The initial leadership series consists of three, 3-day off-site sessions over an 18-week period. During the time between sessions, roughly six weeks, participants are involved in “bridging activities” that are intended to reinforce learning and application of the leadership concepts.

Last month, the senior management team went through the first of three sessions, and the impact was significant. At the senior staff level, as with most groups around the Center, time and talents

are consumed by day-to-day activities; however, to be effective, every organization needs to call a periodic “time out” to focus on understanding the big picture, clarifying objectives and enhancing teamwork.

The senior staff used the first of the sessions as an opportunity to do exactly that. As a result, some followup activities were identified that will pay long-term dividends in assuring that we are all operating from the same data, pursuing the same goals, and focusing on the continuing viability of the Center. This leadership module continues the efforts of other developmental activities that have been used over the past two years. These activities have focused on teambuilding, diversity, quality awareness, organizational change, motivating and rewarding employees, mentoring and conflict management.

In the coming months, with the active sponsorship and involvement of the senior staff, the leadership development series will be integrated, in varying forms, throughout Marshall. The overall objective is to create a place where people can make a difference by developing capable, effective leadership at all levels of the organization.

The challenge for us is to choose our culture rather than allowing it to arbitrarily evolve over time. The culture I envision at Marshall is one that embraces our values and affords everyone, every day, the opportunity to truly make a difference.

When your time comes to participate in the leadership series, I encourage you to take full advantage of it. Many of us, all pushing in the same direction, can change the direction of the ship, thus helping to ensure the future vitality of the Marshall Center. I invite you to join me in this effort.

— *Art Stephenson,*
Marshall Center Director

Dennis Smith recognized for outstanding leadership

by Holly McClain

Dennis E. Smith, manager of the 2nd Generation Reusable Launch Vehicle Program Office at the Marshall Center, recently received NASA's Outstanding Leadership Medal for his work in defining NASA's Integrated Space Transportation Plan, NASA's long-range investment strategy for safer, more reliable, and less expensive access to space.

The Outstanding Leadership Medal recognizes Smith's exceptional dedication and commitment to NASA's highest standards of excellence.



Smith

Smith, who was named to his present position in May 2001, coordinated efforts among nine contractor teams at seven NASA centers, resulting in timely approval of the plan. Selected by the NASA Administrator to develop this plan, Smith was given less than two months to execute its development.

The Integrated Space Transportation Plan resulted in creation of NASA's Space

Launch Initiative and a \$4.4 billion increase in NASA's budget for future space transportation systems.

Smith is responsible for overall management of the Space Launch Initiative, which aims to significantly enhance safety and reduce costs of the nation's reusable space launch vehicle program. Incorporating basic civil, commercial and defense requirements, the Space Launch Initiative is designing complete space transportation systems and developing new systems technologies. NASA expects to reach a decision by the middle of this decade about full-scale development of the nation's 2nd generation reusable launch vehicle to replace the Space Shuttle.

Smith joined NASA in September 1995 as a technical assistant to the deputy director of the Office of Space Access and Technology, Space Transportation Division, Huntsville. Prior to being named to lead the 2nd Generation Reusable Launch Vehicle Program Office, he served as deputy director of the Space Transportation Directorate.

In addition to receiving the NASA Medal for Outstanding Leadership, Smith has been honored with the 1995 Division Award for Excellence from the Executive Office of the President, Office of Management and Budget, and a Certificate of Distinguished Service from the American Institute of Aeronautics and Astronautics, Space Transportation Technical Committee.

The writer, employed by ASRI, supports the Media Relations Department.



Courtesy photo

O'Keefe visits Michoud

After his recent tour of the External Tank production line at the Michoud Assembly Facility in New Orleans, NASA Administrator Sean O'Keefe addresses the news media as NASA Michoud Resident Manager Steve Brettel, left, and Marshall Center Director Art Stephenson look on.

March is Logistics Awareness Month

2001 equipment inventory identifies 110 missing items

The Center Operations Directorate is winding down its calendar year 2001 physical inventory. This inventory effort included approximately 42,000 tagged equipment items.

To date, all but 110 of these items have been identified. To complete the inventory, each directorate has been provided a list of missing items. Employees may participate in this Centerwide effort to locate the missing items and lower the loss rate of missing equipment.

If you have information regarding these missing items, get with your directorate or property support assistant to work these discrepancies. Marshall's Security Department should be notified if items are not located by March 15; and the assigned equipment user must initiate NASA Form 598, Survey Report. For additional information, please call Michael Pridgen at 544-4767.

High schoolers head to FIRST Robotics regionals

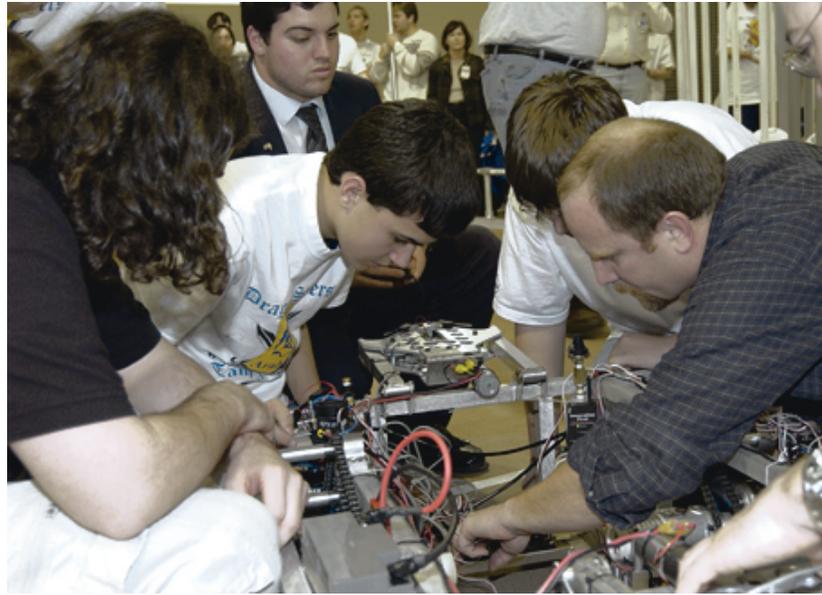
from Education Programs Department

Teams of high school students from Arab High School and Lincoln County High School in Fayetteville, Tenn., are at the Kennedy Space Center this week, competing in the first of the regional competitions being held for FIRST — For Inspiration and Recognition of Science and Technology — Robotics.

The two teams, as well as teams from Lee High School and the New Century Technology High School in Huntsville, are sponsored by the Marshall Center in the annual competition. A team of students from Bob Jones High School in Madison and Butler High School in Huntsville is sponsored by the Chrysler Corp.

On Feb. 13, area Robotics teams met at Intergraph in Madison to showcase their 2002 robots and to demonstrate the “game” for this year before the robots were shipped Feb. 19 to the regional competitions. The teams compete at regionals in March and April before heading to the National Competition in Orlando April 25-27.

The Arab High School “Dragon Slayers” and Lincoln County “Bird



Photos by Terry Leibold, NASA/Marshall Space Flight Center

The Dragon Slayers from Arab High School put the finishing touches on their robot.

Brains” will compete in the Kennedy Regional March 7-9. The Lee High School “Leegeneers” will compete in the Houston Regional March 14-16. And New Century’s “Code Blue” will compete in the St. Louis Regional April 4-6.

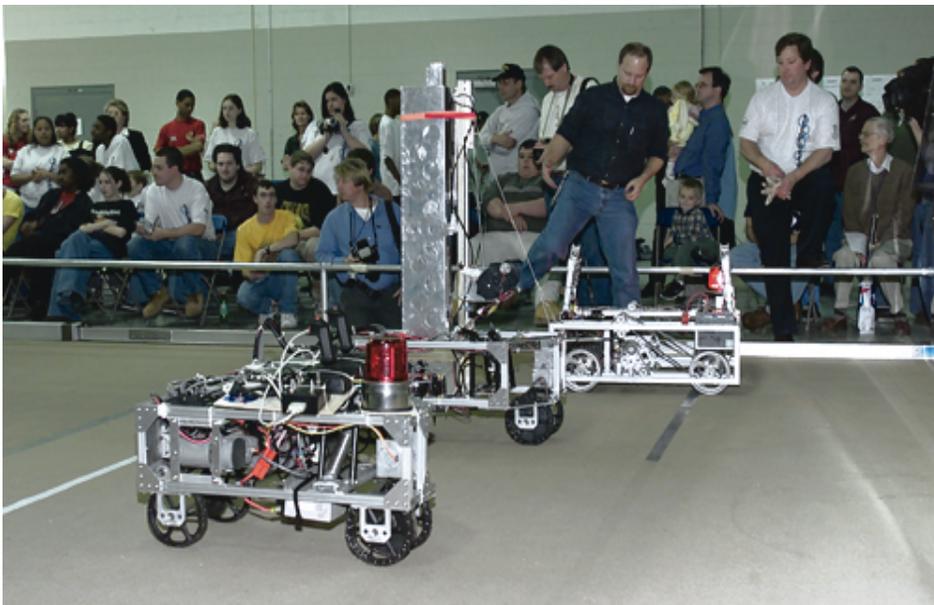
The 2002 FIRST Robotics competition “game” joins together two teams, called an alliance, against another alliance to score points by placing balls into goals and

positioning robots and/or goals in the scoring zones at the end of the match.

For two minutes the alliances compete using their team-built robot to score one point for each soccer ball — there are 60 on the field — placed in or supported by a goal, 10 points for each goal in their goal zone and another 10 points for each robot in their robot zone. During qualifying matches, all teams accumulate qualification points that will later be used to help rank the teams.

For a given match, each team in the winning alliance receives triple the match score of the losing alliance in qualification points. Each team in the losing alliance receives their match score. At the conclusion of the qualification matches, each team drops its lowest qualification point score and the teams are then ranked according to total qualification points accumulated.

For more information about FIRST Robotics, call Barbara Long in Marshall’s Education Programs Department at 544-0774 or Vicki Smith at 544-1798.



Robotics teams from area high schools demonstrate their robots’ abilities in this year’s “game” during a media day Feb. 13.

Black History Month

Dr. Julian Earls speaks at closing ceremony

The Marshall Center's observance of Black History Month culminated with closing ceremonies Feb. 27 in Morris Auditorium.

Dr. Julian Earls, deputy director for Operations at the Glenn Research Center in Cleveland, spoke to Marshall team members. Three women received outstanding educator awards and the National Association for the Prevention of Starvation (N.A.P.S.) from Oakwood College received an Outstanding Leadership Award. The event closed with the audience singing, "Lift EveryVoice and Sing."



Marshall Deputy Director Jim Kennedy delivered opening remarks.



Earls spoke to Marshall employees during the closing ceremony and at the Marshall Association luncheon



Olye Conley, right, received one of three awards for excellence in education presented by Charles Scales, Marshall's director of Equal Opportunity Office.



Trent Griffin, chairman of the Black History Month Committee, stands with award recipient Doreen Forsythe.



Ida Crawford, right, shared a moment with her husband after receiving an outstanding educator award.



The Terry Heights Elementary School Tiny Soldiers posted the colors for the event.

Photos by Terry Leibold, NASA/Marshall Space Flight Center

20 ways you can be involved in Marshall's Safety, Health and Environmental (SHE) Program

by Leslie Guerin

Did you know that some activities and responsibilities, already included in your job, provide direct support for the Safety, Health and Environmental (SHE) Program?

Review the list below, and see how many of these activities you already do. Make it a personal priority to become involved in as many of these activities as possible. Seize the opportunity to make the SHE Program your program.

How can you make the SHE Program truly relate to you, the work you do and the areas you work in? Actively participate in shaping and maintaining an effective program, one that changes right along with your work environment.

1. Share *your* knowledge and experience — join a SHE committee or ad hoc team.
2. Watch for conditions that could harm your coworkers — get them fixed, and when you can't fix it, submit your concern through the Safety Concerns Reporting System (SCRS).
3. Join your supervisor in doing a walk-through safety inspection of your work area.
4. Inspect all tools and equipment to assure safe operating condition before you use them.
5. Tag defective equipment out of service, to keep *your* coworkers from being injured, and put in a request for repair or replacement.
6. Inspect housekeeping in your work area every day, and correct any potential problems that you notice — pay special attention to slip, trip and fall hazards.
7. Check safety and hazard warning signs in *your* work area often — are they visible, legible and still appropriate for the jobs performed there?
8. Introduce yourself to your building manager — offer to help resolve any SHE concerns that relate to your work area and/or expertise.
9. Find two ways to quickly get outdoors from your work area, and check often to be sure they don't get blocked.
10. Test yourself — can you locate the Material Safety Data Sheet (MSDS) for a chemical used in your work area, chosen at random, within five minutes?

11. Submit a personal lesson learned to the "It Could Happen To You" database.

12. Help develop Job Hazard Analyses (JHAs) for the tasks, processes, and operations involved in your job — share your knowledge of how accidents could happen, and the safe work practices that should be followed.

13. Volunteer to lead a safety meeting discussion on how to avoid injury in your work area.

14. Imagine ways to make SHE Program activities more useful and worthwhile — submit your suggestions to the IDEAS Program.

15. Regularly check storage areas for chemicals and accumulated hazardous waste in your work area — make sure the materials are safely and properly stored, and the exposure control methods used are effective.

16. Use a safety meeting to outline the SHE information that should be shared with a new employee in your work area, then identify which things visitors need to know — use it as a Work Area SHE Orientation that could be given by any team member.

17. Form Work Area Inspection Teams with your coworkers, and inspect areas where you don't normally work — you'll see things your coworkers don't even notice.

18. Dedicate one or more safety meetings to assessing the hazards in your work area — select effective personal protective equipment (PPE), determine the rules for when it must be used, and write it all down.

19. Encourage positive attitudes toward safety in your work area — volunteer to be a SHE Mascot or Mascot Helper.

20. When something changes in your work area (facility layout, machines or equipment, materials or chemicals, processes or operations, etc.), help your supervisor determine if your SHE Program documents need updating — JHAs, PPE assessment, operating procedures, hazard warning signs, exposure monitoring and medical surveillance, inspection procedures, training requirements, and so on.

The writer, employed by Hernandez Engineering Inc., supports the Marshall Safety Office.



Photo by Doug Stoffler, NASA/Marshall Space Flight Center

Bill Hicks receives Space Flight Awareness Leadership Award

Marshall Center Director Art Stephenson, left, presents Bill Hicks, second from left, of the Office of the Chief Counsel, with the STS-109 Space Flight Awareness Leadership Award. Maria Hicks, second from right, and astronaut Doug Hurley look on.

March is Women's History Month

NASA partnership to benefit women in science and technology

Ames news release

Striving to increase the participation of women in science and technology, NASA officials Wednesday announced the formation of a new partnership with the National Center for Women in Science, Technology, Engineering and Mathematics (STEM).

Ames Research Center Director Dr. Henry McDonald and Lisa Duncan, president of the board of directors of the National Center for Women in STEM, signed a Memorandum of Understanding to establish the partnership. Under the terms of the two-year agreement, the two organizations will work together to provide resources and programs to expand the engagement of women in STEM education, research and development.

The signing of the agreement with the National Center for Women in STEM comes during the month of March, which as National Women's History Month, has been traditionally designated to highlight some of the extraordinary and courageous achievements by women of all races, religions, social and economic standing. Women have made significant contributions to ensure that NASA accomplishes its missions in the fields of science and engineering.

Information about women's contributions to the NASA legacy is available on the Web at:

<http://www.nasa.gov/women/milestones.html>

Obituaries

George F. Page, 77, deputy director of Kennedy Space Center from July 1982 until his retirement in October 1984, died Feb. 26. During the course of his aerospace career, Page was involved in all of the U.S. human space flight programs from Mercury to the Space Shuttle. He is survived by his wife Lois, three children, and six grandchildren.

Davis, Billy G., 72, of Madison, died Feb. 18. He retired from Marshall in 1992 where he worked as an aerospace engineer supervisor. He is survived by his wife, Betty Jo Joiner Davis.

Miller, James C., 90, of Huntsville, died Feb. 25. He retired from Marshall in 1974 where he worked as a procurement analyst. He is survived by his wife, Oma H. Miller.

Accardo, Mario, 71, of Huntsville, died Feb. 28. He was employed by Creative Management Technology (CMT), and worked at the Marshall Center as a janitor. He is survived by his wife, Susan Accardo.

Marshall Star editor bids farewell

by Debra Valine

Friday is my last day as editor of the “Marshall Star.” I have accepted a federal position with Army Public Affairs at the U.S. Space and Missile Defense Command in Huntsville.

It was a very hard decision to make. I consider all of you my extended family, and I will miss you.

I have enjoyed my three years as editor of your newspaper. Thank you for supporting me with story ideas, written articles, photographs and feedback. Together we have made the Marshall Star the newspaper it is today.

Jonathan Baggs, also employed by Ai Signal Research Inc., will be the new editor. He was a media specialist in the

Media Relations Department in the Customer and Employee Relations Directorate. Please continue to provide him the same level of support you provided me.

Baggs can be reached at 544-3749 or via e-mail at:
Jonathan.Baggs@msfc.nasa.gov

Forum

Continued from page 1

intertwines images from space and space sciences with technology-themed artwork on three 15-by-20 foot screens.

The show incorporates live music by the 60-member Metro Youth Orchestra and several soloists, and is punctuated by a sophisticated light show and pyrotechnics. Also, WAAY TV news anchor Don Phelps will present a detailed retrospective on von Braun and his accomplishments.

Educational outreach – sixth grade study guides

A significant change from previous Forums is the addition of an educational outreach project. More than 10,000 study guides – “The Habits of Science” — were distributed in early February by the Marshall Center to every sixth grader in Marshall, Madison, Limestone, Morgan and Jackson counties.

“We felt it was extremely important that our project reach the entire Tennessee Valley to include as many area children as possible, and give everyone the chance to be as excited about space and the possibilities of scientific discovery as we are,” said Tereasa Washington, director of the Customer and Employee Relations Directorate at the Marshall Center.

The study guide includes Web links, activities and learning exercises designed to teach six “habits” needed for scientific discovery: creativity, imagination, curiosity, patience, honesty and attention to detail.

“We asked a panel of educators to design the study guide to lead students through the same material on which the multimedia show is based,” said Washington. “For example, the students will hear about visionaries like da Vinci and Galileo. They’ll learn about discoveries made by the Hubble Telescope and Chandra X-ray Observatory. And by doing so, they’ll begin to understand the basic principles that allow men and women to see new possibilities.”

The study guides are free to all sixth graders and are designed to meet the criteria for the Habits of Science module in the Curriculum Guide for the State of Alabama, 2001–2.

To complement the study guide curriculum, the Marshall

Center is sending volunteers from its Speakers Bureau to schools throughout the Tennessee Valley. The Bureau includes specialists from engineering, aeronautics, astronautics and space science as well as space history.

Creative writing competition

While the multimedia show serves as the focal point for the April 6 event at the Von Braun Center, it is not the only activity. The evening also is the platform for honoring winners of the Unseen Majesty of Science Creative Writing Competition. Sponsored by the Marshall Center and supported by WAAY TV, the competition seeks poems, short stories and essays from area students in grades 5 through 12.

“It’s important to give our children opportunities to be creative,” said Shar Hendrick, manager of the Government and Community Relations Department at the Marshall Center. “The competition lets them choose the best vehicle for their own creative voice, while still focusing on science and space exploration. This event allows students to explore and appreciate the link between art and science.”

Entries will be accepted through midnight March 20, and the winning entries will be posted on www.unseenmajesty.com.

Pulling it all together

The 6th grade “Habits of Science” educational outreach project, the creative writing competition, the “Unseen Majesty of Science” multimedia show – it all comes together as the Von Braun Forum, which marks its 15th anniversary this year.

Tickets to the event are free — but limited. Those who want to attend may pick up tickets (limit four per person) at the Von Braun Center box office after March 15. Larger groups of tickets may be requested through the “Unseen Majesty of Science” Web site. The Marshall Center has arranged for free parking in the South Hall parking garage for the event.

For further information on the Forum projects and “The Unseen Majesty of Science” go to www.unseenmajesty.com or call (256) 704-0068.

Marshall Center working with Iowa teachers, students

from the Education Programs Department

The "NASA-Iowa Connection: International Space Station Project" is bringing rich learning opportunities to Iowa teachers and students through Iowa's fiber-optic and broadcast system.

Marshall Center's Education Programs Department and Microgravity Research Program Office are participating in a pilot distance-learning project for the educational communities of Iowa.

Twila Schneider, an Infinity Technology Inc. employee supporting the Microgravity Office, conducted a workshop Feb. 27 for Iowa teachers. She presented an introduction to the basic concepts of microgravity and NASA glovebox research. The teachers received background information regarding International Space Station microgravity research and were provided a guide for making their own classroom glovebox using a standard copier paper box.

Other Marshall presenters included Jim Christensen of the NASA Iowa Educator Resource Center and John Lowerison of the NASA Aerospace

Education Services Program.

Iowa is one of six states in Marshall's pre-college service region.



Twila Schneider makes her presentation at the NASA/Marshall workshop for Iowa teachers.

Technology inventory inputs needed by March 29

from the Technology Transfer Department

It's that time of year again: time to update NASA's Technology Inventory Database (NTIDB). The Tech Inventory input/update schedule opened on Feb. 22, and will close March 29. As requested from NASA Chief Technologist Sam Venneri, all relevant information on fiscal year 2002 technology projects funded in each Enterprise should be entered into the database.

The purpose of the database is to provide an Agency-wide accounting of all of the technology invested in NASA. Now in its third year of use, the database currently documents more than \$1.5 billion in technology investments.

Web-based and user-friendly, the database is used as the basis for a wide range of advocacy efforts, strategic planning, and allocation analysis. The database lays out the distribution of NASA's technology resources across all disciplines and provides linkages between technology tasks and Enterprise needs. The Tech Inventory process assists in verifying that the Agency is truly distributing technology investments among its various projects and programs in the proportions intended. Also, as Congress allocates a yearly budget to NASA, the database can assure that the Agency stays in step with those

designated allocations.

Marshall's Technology Transfer Department is coordinating the Center's input to the database. Al Jordan is the Tech Inventory point of contact, with Nancy Hamilton providing contractor support. Before leaving the Center, all database inputs will pass through the Marshall point of contact. Via e-mail, the Technology Transfer Department has contacted all Enterprise managers and provided them with a list of currently identified technology tasks, user account information, computer requirements and general instructions necessary for making inputs and updates to the FY02 Tech Inventory Database. The FY02 database contains all FY01 technology tasks, which can be updated or deleted as necessary.

Program managers are responsible for designating the appropriate personnel to actually key-in the pertinent information. Easy-to-follow data fields/prompts will guide the user each step of the way. Enterprise managers will certify the accuracy and completeness of those inputs falling within the scope of his or her Enterprise.

In summary, the FY01 and FY02 databases can be viewed at: <http://inventory.gsfc.nasa.gov>. For more information, call Nancy Hamilton at 544-6403.

Relativity

Continued from page 1

investigator Francis Everitt and program manager Sasha Buchman of Stanford University in Stanford, Calif., has been pushing the limits on many different technological fronts, including gyroscope technology, materials science, metrology, astrometry, and cryogenics.

Scheduled for launch in late 2002 and using highly advanced technology, GP-B is expected to be the most precise test to-date of two extraordinary predictions of Albert Einstein's Theory of General Relativity.

Using its space-bound gyroscopes in a drag-free polar orbit, GP-B will measure how space and time are warped by the presence of the Earth, and, more profoundly, how the Earth's rotation drags space-time around with it. These effects have far-reaching implications for the nature of matter and the structure of the Universe and are considered among the most profound enigmas of physics.

The mission's science instrument and its components were developed, designed, built and integrated in Stanford University's Hansen Experimental Physics Laboratory. The payload is made up of the science instrument inside a probe integrated into one of the largest flight dewars (thermally insulated containers) ever constructed. The dewar provides the extremely low temperature environment needed for proper operation of the experiment while in Earth orbit.

The team has spent the last eight months in payload testing, successfully verifying all subsystems and the integrated payload at Stanford University before transporting and then mating the payload to the Lockheed Martin spacecraft at the corporation's nearby facility in Palo Alto. Systems testing was conducted there to begin preparations for the series of acoustic and thermal-vacuum tests in Sunnyvale that will qualify the GP-B space vehicle for its upcoming launch.

Development of the Gravity Probe B mission is the responsibility of Stanford University, with major sub-contractor Lockheed Martin Corporation.

For more information, visit the Web at:
<http://einstein.stanford.edu/>

Job Opportunities

Announcement No. MS02N0031, AST, Mission Operations Integration, GS-0801-14, Flight Projects Directorate, Payload Operations and Integration Department, Payload Operations Directors Office. Closes March 19.

Announcement No. MS02N0032, Program Analyst, GS-0343-12, Flight Projects Directorate, Business Management Office, Resources Group. Closes March 19.

Sports

Let's play ball!

The NASA Exchange Mars Softball League is looking for players. Games are played Monday through Thursday at either 5 or 6 p.m. Each team usually plays one game per week. All Marshall civil servants, on-site contractors, approved off-site contractors, and family members are eligible to participate. There are three divisions:

Div. 1 — Competitive League, Fairly Skilled Teams

Div. 2 — Intermediate League, Mixture of Skilled/Beginner Players

Div. 3 — Beginner/Co-ed League, Mostly Beginner to Intermediate Skilled Players

If you are interested in playing or have questions, please contact Vice President, MARS Softball League, Victor E. Pritchett, at 544-5771, or e-mail Victor at:
Victor.E.Pritchett@msfc.nasa.gov

Golf tournament

The first golf tournament of the season is a handicap tournament beginning at 8 a.m. March 23 at the Huntsville Municipal Golf Course. Entry deadline is March 15. The entry fee is \$5. Men's, ladies' and seniors' tees will be used this year. To enter the tournament, call Lee Foster at 544-1589, Joey Butler at 544-3808, or Robert Rutherford at 544-8117. New players should call Joey Butler to verify eligibility and to establish a league handicap.

Managers course in Program Planning and Control March 21-22

The first course in Intermediate Program Planning and Control is set March 21-22. The second round of introductory courses in the Program Planning and Control series are currently in progress and if you have taken the full list or currently have the appropriate level of knowledge and skills to successfully complete this training you are welcome to register. The target audience is program/project managers and analysis.

"Program/Project Analysis Manager Familiarization" will be from 8 a.m. to 4:30 p.m. in Bldg. 4200, Room G-13-D. The course demonstrates the following analytical techniques:

- Complete project analysis
- Familiarization with how analyses are done
- Accuracy levels inherent in analyses
- Degree that analyses can be trusted
- Time and effort necessary to prepare analyses
- Degree of difficulty necessary to prepare good analyses

To attend, register via AdminSTAR. For more information, call Linda Dinges at 544-6647 or Janie Moyers at 544-7552.

Center Announcements

Annual retiree dinner

The Annual Marshall Retiree Dinner will be March 14 at the Von Braun Center. Marshall retirees, employees, contractors and guests are welcome. Tickets are \$16 each for either prime rib or marinated grilled chicken. Tickets can be purchased through administrative officers. Retirees may call Patricia Caraway in Bldg. 4200, room 322C, at 544-7755.

2002 Earth Week activities

Earth Week activities will be held April 15-19. The activities will consist of exhibits (recycling, environmental and energy) in the lobby of Bldg. 4200, a logo contest, a spot-an-environmentalist contest and the tree planting ceremony. The ceremony, including the guest speaker, Harvey Cotton, director of the Botanical Garden, will be from 10-11 a.m. April 18 at the Wellness Center, Bldg. 4315. In case of inclement weather, the ceremony with the exception of the tree planting will be held in the Morris Auditorium, same date and time.

Spot-an-environmentalist

Marshall employees and onsite contractors are asked to submit the names of employees they see who are assisting in keeping the Marshall Center environmentally friendly. Submit the employee's name and a short justification of the environmental deed via e-mail to: lucy.boger@msfc.nasa.gov or mail to AD21, Bldg. 4250, room 16B no later than March 29. Entries will not be accepted after the closing date. Each nominee selected will receive a gift certificate from "Wild Birds Unlimited" at the tree planting ceremony at 10 a.m. April 18 at the Wellness Center, Bldg. 4315.

Upcoming classes

For a complete list of training opportunities at the Marshall Center, visit the "Inside Marshall" Web site.

Clubs and Meetings

NARFE meets

Alabama Rep. Sue Schmitz, District 6, will provide an update on current legislative plans and actions at the National Association of Retired Federal Employees (NARFE) meeting at 9:30 a.m. Saturday at the Senior Center on Drake Avenue. For more information, call 881-4944 or 881-3168.

Facilities Office breakfast

Facilities Office retirees will meet for breakfast at 8 a.m. March 12 at the Shoney's on University Drive and Memorial Parkway. For more information, call Carl Gates at 232-2950.

ASEM March meeting

Dr. Jim Simpson of the University of Alabama in Huntsville's Marketing Department will speak to the American Society of Engineering Management (ASEM) at its monthly meeting from 11:30 a.m.-1 p.m. March 19 at Papa Lovetti's restaurant in Huntsville. Simpson will speak on "Marketing in a High Technology Environment: Customers Purchase Solutions not Technology." For more information, call Kenneth Sullivan at (256) 313-6172.

Black Physicists meet

The annual conference of the National Society of Black Physicists (NSBP) and the National Conference of Black Physics Students (NCBPS) brings together over 400 African-American physics students and professionals. Alabama A&M University will be the host for the joint 2002 meetings March 13-17. Private businesses, government agencies and

research organizations, faculty search committees, and graduate student recruiters are invited to participate in the career fair. Space for display and classified ads is available for the spring 2002 NSBP Newsletter, the conference program book, and the conference proceedings. For details, call Madeline Hereford in Marshall's Equal Opportunity Office at 544-7420.

Dance lessons

The MARS Ballroom Dance Club will offer bolero and cha-cha lessons on Mondays in March at St. Stephen's Episcopal Church on the west side of Whitesburg Drive, second building north of Lily Flag Road. The intermediate lesson is from 7-8 p.m. and beginner lesson from 8-9 p.m. Rick Jones, USA certified dance instructor at Rocket City Dance Studio, will be teaching. Cost is \$7 per person per class. For more information, call Woody Bombara at 650-0200.

Miscellaneous

UNCF Gala

The 24th annual United Negro College Fund (UNCF) Gala featuring Susan L. Taylor, senior vice president of Essence Communications Inc., will be held at 6:30 p.m. March 28 at the Von Braun Center North Hall. Cost is \$75 general admission and \$25 for students. Entertainment will be provided by famed vocalist Phil Perry. Tickets may be purchased from the Equal Opportunity Office, Bldg. 4200, room 716. For more information, call Chanel Leslie at 544-3740.

Easter Egg Hunt volunteers

Volunteers are needed for Marshall's annual Easter Egg Hunt being held at 2 p.m. March 17 at the picnic area. To volunteer, call Gena Marsh at 544-0160.

Employee Ads

Miscellaneous

- ★ Gateway color monitor, 19", two years old, \$450. 880-7319
- ★ Set of 4 chair pads, match Fiesta china, \$20 obo. 883-5543
- ★ Pioneer KEH-4500 car stereo/cassette, 35 watts; Kenwood KRC-S300, 30 watts, \$40 each. 355-6648 after 5 p.m.
- ★ Amana central heat and air conditioner, 3.5 ton, \$350; tiller, rear tine, 5 h.p., \$400; Uniden satellite receiver w/accessories, \$50. (256) 586-7424
- ★ MTD 30" riding mower, rear engine, \$85. 880-6364
- ★ Aquarium with stand and accessories, 55 gallon. 720-8606
- ★ King Hickory blue sofa w/matching Lazyboy rocker recliner, \$750. (256) 464-5008
- ★ Troy-Built tiller, new, 8 HP, electric start, \$725; piano, Chickering, \$1,100. 852-2044
- ★ Solid wood computer desk with hutch, \$90; washer and dryer, \$100; queen quilt, \$65. (256) 534-0939
- ★ Whirlpool washer and dryer, large capacity, matching set, \$250. 830-4477
- ★ Wheel Horse/Toro riding mower, 12.5 HP, 37" deck, less than 300 hrs., \$800. 830-6584
- ★ De-humidifier, multiple settings, auto shut-off, top of the line, \$75 obo. 774-5716
- ★ 1989 Honda Goldwing GL1500, 48K miles, dark teal, extra chrome/lights/accessories, \$6,500. 883-5479
- ★ Whirlpool washer, large capacity, \$150; Danish Modern dining table w/6 chairs, \$125; Sears dryer, \$40. 881-3485
- ★ New Lane round coffee table with glass top and gold base, \$300. 837-6038
- ★ Desk w/hutch, wood, \$30; desk return, metal w/3 drawers, \$15; \$40 for all. 880-9025
- ★ Kaiser porcelain china service for eight; Mercury glass made in Germany, various pieces. 880-9025
- ★ PC, 200 Mhz, asking \$100; PC, 300 Mhz,

asking \$150; PC, 400Mhz, asking \$200; 17" monitor, \$75; modem, \$25. 882-1779

★ Antique chifforobe for the early 1040's, 5-drawers, 3-mirrored doors, \$200. 464-3300

Vehicles

- ★ 1999 Chevrolet Metro, Coupe 2D, 5-speed, 3-cyl., 1.0L, 34K miles, \$5,500. (256) 721-3904
- ★ 1980 Mercedes 450SL convertible w/ hardtop, 120K miles, navy blue, \$10,000 obo. 837-3682
- ★ 1987 Mazda truck B2000, short bed, 5-speed manual, extras, one-owner, 66K miles, \$3,750. 883-8522
- ★ 1968 Mustang Coupe, automatic, ps, air, gold with black C-stripe, \$4,700. (256) 757-2850
- ★ 1991 Pontiac Grand Prix SE, red, automatic, 139K miles, \$2,900. (256) 828-2643
- ★ 1996 Acura 2.5 TL, 6 cyl., leather, automatic, 4-door, sunroof, power, AM/FM/CD/cassette, new tires. 830-0545
- ★ 1998 Dodge Grand Caravan, \$9,900 obo. 564-6225/233-6197
- ★ 1988 Chevrolet C1500 truck, long wheel base, club cab, 350/V-8, \$2,600. 880-1555
- ★ 1993 Dodge Grand Caravan SE, one-owner, service records available, \$3,800. 895-9520
- ★ 1994 Ford Ranger XLT truck, extended cab, V-6, 4.0L, auto, 92K miles, a/c, PW/PL, cruise, towing pkg., tilt-wheel, \$6,995. 895-8306
- ★ 1995 Ford Windstar LX, 3.0L/V-6 EFI, front & rear a/c, AT/PW/PS/PL, cruise, AM/FM/CD, alloy wheels, green, 110K miles, \$6,495. (256) 971-0087
- ★ 1983 Toyota Celica GTS, 5-speed, 154K miles, needs work, new a/c, white, \$1,000. 883-2806
- ★ 1996 Ford Windstar LX, 87K miles, non-smoker, white/gold/tan, \$7,500. 325-7542
- ★ 1986 Honda Accord LXi, hatchback, 5-speed, white, \$1,500. 885-1987

- ★ 1995 Honda Civic EX, 4-door, 5-speed, red, 75K miles, \$6,800 obo. (256) 830-0548/961-7634
- ★ 1996 Mazda Millenia, sunroof, CD changer, all-power, champagne w/gray interior, 76K miles, \$8,500. 880-9025
- ★ 1978 Camaro Z28, 350, black, 40K miles, \$3,200 obo. 880-2859
- ★ 1991 Honda Accord EX, one-owner, PW/PDL, sunroof, CD changer/cassette, 157K miles, service records available, \$3,900. (256) 880-0438
- ★ 1995 Toyota Camry LE sedan, dark green, PW/PDL, dual air bags, 119K miles, \$5,000. 230-6846
- ★ 1992 Oldsmobile 88, FWD, 3.8L auto, 155K miles, \$3,600. (256) 739-4734

Found

- ★ Leather hat, Bldg. 4200 area; bracelet, Bldg. 4200 parking lot; reading glasses, Bldg. 4200 executive parking lot; ladies scarf, Bldg. 4200 parking lot; pendant, Bldg. 4612 area. Call 544-7686 to claim identify
- ★ Ladies ring in Bldg. 4200 on Feb. 25. Call 544-3623 to identify
- ★ Bag with numerous magazines, jogging pants, and other items enclosed. Call 544-3623 to claim/identify

Wanted

- ★ Ride from Hazel Green to Bldg. 4481, 3 days per week, hours negotiable, offering \$10 per day. 828-4564
- ★ Used pool table. 775-3907
- ★ First day of issue stamps. 881-6595

Free

- ★ Puppies, retriever mix, male and female, 6 weeks old on 3/6, parents friendly and intelligent. 882-2595 evenings and weekends
- ★ Protecto truck bedliner, fits 89-98 Chev./GMC, full size pickup. 864-0465

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